UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/812,189	03/30/2004	Minna Myllymaki	089229.00150	3342

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Squire, Sanders & Dempsey (US) LLP
8000 TOWERS CRESCENT DRIVE
14TH FLOOR
VIENNA, VA 22182-6212
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EXAMINER
HEIBER, SHANTELL LAKETA

ART UNIT	PAPER NUMBER
2617	

NOTIFICATION DATE	DELIVERY MODE
02/08/2011	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

IPGENERALTYC@SSD.COM
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	Application No.	Applicant(s)
Office Action Summary	10/812,189	MYLLYMAKI ET AL.
	Examiner	Art Unit	
	SHANTELL HEIBER	2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on *14 September 2010*.
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) *1-63* is/are pending in the application.
     4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) *1-63* is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on *30 March 2004* is/are: a)☒ accepted or b)☐ objected to by the Examiner.
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
     a)☒ All   b)☐ Some * c)☐ None of:
        1. ☒ Certified copies of the priority documents have been received.
        2. ☐ Certified copies of the priority documents have been received in Application No. _____.
        3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
     * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
     Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413)
     Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____ .

DETAILED ACTION

Response to Arguments

1.   Applicant's arguments with respect to claims 1-63 have been considered but are

moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

2.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

3.   Claims 1-63 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Rabe et al. (Rabe), U.S. Patent No. 5,764,730 in view of Herrero et al. (Herrero), U.S.

Publication No. 2005/0009520.

Regarding Claims 1, 19, 32, 39 and 53, Rabe discloses a method, comprising:

receiving at least one registration request to register a user requesting a service

in a network entity in a communication system **(i.e., the radiotelephone 303 registers**

with the radiotelephone network 301 the plurality of subscriber identities 306-308,

therefore, the radiotelephone sends a registration request to the radiotelephone

network for each subscriber identity; see Col. 9, lines 18-26);

providing the network entity **(i.e., within the radiotelephone network 301; see**

Figure 3) with control information indicating at least one limitation **(i.e., whether the**

subscriber identity is available to the radiotelephone 303 by examining the

memory unit 305; see Col. 9, lines 27-45) on a plurality of simultaneous registrations

(i.e., the determination is made before registering the subscriber identity; see Col.

9, lines 27-45), said control information indicating a restriction **(i.e., the subscriber**

identity will not be registered if the determination is negative, the subscriber

identity is not available to the radiotelephone; see Col. 9, lines 27-45) on a number

of different contact addresses **(i.e., each subscriber identity is associated with a**

phone number; see Col. 4, lines 2-5) that can be simultaneously registered **(see Col.**

4, lines 17-25) using a single public user identity **(i.e., single subscriber**

radiotelephone; see Col. 8, line 66-Col. 9, line 2); and

controlling the registration based on the control information.

Rabe fails to disclose an internet protocol multimedia core network subsystem of

a communication system.

In a similar field of endeavor, Herrero discloses a method and system for

handling multiple registration. Herrero further discloses an internet protocol multimedia

core network subsystem of a communication system. **see paragraph [0061]**

At the time of the invention, it would have been obvious to a person of ordinary

skill in the art to combine the teachings of Rabe with the teachings of Herrero to arrive

at the claimed invention for having the convenience of multiple registrations active

simultaneously where a user can receive calls in any of the registered terminals and

further allowing delivery of internet multimedia services.

Regarding Claim 2, Rabe and Herrero disclose further comprising: determining

that at least one user belongs to a same subscription **(Rabe-see Col. 8, line 66-Col. 9,**

line 11).

Regarding Claims 3, 20, 33, 40 and 54, Rabe and Herrero disclose further

comprising: checking whether at least one of said at least one limitation on

simultaneous registrations would be infringed by allowing the registration **(Rabe-i.e., the**

determination is made before allowing registration for each subscriber identity;

see Col. 9, lines 27-45).

Regarding Claims 4 and 31, Rabe and Herrero disclose further comprising:

denying the registration when the checking shows that at least one of said at least one

limitation regarding the simultaneous registrations would be infringed by allowing the

registration **(Rabe-if the determination is negative, the radiotelephone enters a**

normal idle mode; see Col. 9, lines 33-39).

Regarding Claims 5 and 31, Rabe and Herrero disclose further comprising:

allowing the registration request when the checking shows that none of the at least one

limitation on simultaneous registrations would be infringed by allowing the registration

(Rabe-if the determination is positive, the radiotelephone registers the subscriber

identity with the network; see Col. 9, lines 27-45).

Regarding Claim 6, Rabe and Herrero disclose further comprising: indicating

with the control information a number of the simultaneous user registrations allowed for

a subscription **(Rabe-i.e., the number of subscriber identities available to the**

radiotelephone; see Col. 9, lines 29-32. Also, see Col. 4, lines 59-63 and Col. 6,

lines 44-49).

Regarding Claim 7, Rabe and Herrero disclose further comprising: indicating

with the control information a maximum number of the simultaneous user registrations

allowed for a subscription **(Rabe- i.e., the number of subscriber identities available to the radiotelephone; see Col. 9, lines 29-32. Also, see Col. 4, lines 59-63 and Col. 6, lines 44-49)**.

Regarding Claim 8, Rabe and Herrero disclose further comprising: indicating with the control information a limitation on a service type **(i.e., voice or data)** allowed for the simultaneous user registrations for a subscription **(Rabe-see Col. 8, lines 23-31)**.

Regarding Claims 9, 26 and 29, Rabe and Herrero disclose further comprising: storing the control information in a user information storage entity **(Rabe-i.e., radiotelephone memory unit; see Col. 4, lines 59-63 and Col. 9, lines 33-35)**.

Regarding Claims 10 and 27, Rabe and Herrero disclose wherein said storing comprises storing the control information in a home subscriber server **(Herrero-see paragraph [0090])**.

Regarding Claims 11 and 28, Rabe and Herrero disclose wherein the checking comprises checking in a user information storage entity **(Reba- i.e., radiotelephone memory unit; see Col. 4, lines 59-63 and Col. 9, lines 33-35)**.

Regarding Claim 12, Rabe and Herrero disclose further comprising: sending a request for user subscriber information from said network entity **(i.e., I-CSCF)** to the user information storage entity **(Herrero-see paragraph [0099])**.

Regarding Claim 13, Rabe and Herrero disclose wherein the providing comprises providing the control information from the user information storage entity to said network entity **(Herrero-see paragraph [0100])**.

Regarding Claims 14 and 21, Rabe and Herrero disclose wherein the checking

comprises checking in the network entity **(Herrero-see paragraphs [0099] and [0100])**.

Regarding Claim 15, Rabe and Herrero disclose wherein said receiving

comprises receiving the registration request in at least one of a serving controller and

an interrogating controller **(Herrero-see paragraph [0078])**.

Regarding Claims 16, 23, 35 and 42, Rabe and Herrero disclose wherein the

receiving comprises receiving the registration request in the serving controller, and

wherein the serving controller comprises a serving call session control function

(Herrero-see paragraphs [0078] and [0079]).

Regarding Claims 17, 24, 36 and 43, Rabe and Herrero disclose wherein said

receiving comprises receiving the registration request in the interrogating controller, and

wherein the interrogating controller comprises an interrogating call session control

function **(Herrero-see paragraphs [0072] and [0078])**.

Regarding Claims 18, 37, 44 and 55, Rabe and Herrero disclose further

comprising: counting the simultaneous registrations of the contact addresses **(Rabe-
i.e., determine which subscriber identities are active in the network; see Col. 9,

lines 51-55 and Col. 4, lines 2-5)**.

Regarding Claim 22, Rabe and Herrero disclose wherein the network entity

comprises at least one of a serving controller and an interrogating controller **(Herrero-
see paragraphs [0075] and [0078])**.

Regarding Claim 25, Rabe and Herrero disclose further comprising: a storing

unit **(i.e., memory unit)** configured to store the control information associated with at

least one of said at least one limitation regarding the simultaneous registrations of

contact addresses **(Rabe-see Col. 9, lines 29-45 and Col. 4, lines 2-5)**.

Regarding Claim 30, Rabe and Herrero disclose wherein a serving controller

comprises the storing unit **(Herrero-see paragraph [0079])**.

Regarding Claims 34 and 41, Rabe and Herrero disclose wherein the apparatus

comprises at least one of serving controller means, interrogating controller means, or

internet protocol multimedia core network subsystem means **Herrero-see paragraphs**

[0072], [0075], [0078] and [0079].

Regarding Claim 38, Rabe and Herrero disclose further comprising: indicating

with the control information at least one limitation on simultaneous registrations by the

contact addresses in relation to one network **(Rabe-see Col. 4, lines 2-5 and Col. 9,**

lines 27-45).

Regarding Claims 45 and 56, Rabe and Herrero disclose wherein contact

information is assigned to the individual contact addresses **(Herrero-i.e., private ID;**

see paragraph [0090]) to represent a network address **(Herrero-see paragraph**

[0102]) of the corresponding user equipment used to register with the network entity.

Regarding Claims 46 and 57, Rabe and Herrero disclose wherein a plurality of

contact addresses **(Herrero-i.e., private IDs; see paragraph [0090])** are registered to

access at least one service under a single subscription **(Herrero-public ID; see**

paragraph [0090]) registered with the network entity.

Regarding Claims 47 and 58, Rabe and Herrero disclose wherein a subscriber

is registered with the network entity as being subscribed to a plurality of subscriptions

for services **(Herrero-see paragraph [0090]).**

Regarding Claims 48 and 59, Rabe and Herrero disclose wherein at least one

private user identity is registered with the network entity as representing a subscriber of

a plurality of subscriptions for services **(Herrero-see paragraph [0093]).**

Regarding Claims 49 and 60, Rabe and Herrero disclose wherein a public user

identity **(i.e., public user identity 1)** is used to represent a plurality of private user

identities **(i.e., private user identity 1 and private user identity 2) (Herrero-see

paragraph [0090]).**

Regarding Claims 50 and 61, Rabe and Herrero disclose wherein a private user

identity is used to represent a plurality of public user identities **(Herrero-see

paragraphs [0090] and [0093]).**

Regarding Claims 51 and 62, Rabe and Herrero disclose wherein a single

public user identity is used to represent a plurality of contact addresses operating a

corresponding plurality of user equipments which are simultaneously registered with the

network entity under a single subscription registered with the network entity as the

single public user identity **(Herrero-see paragraphs [0090] and [0095]).**

Regarding Claims 52 and 63, Rabe and Herrero disclose wherein the

registration is controlled based on contact information assigned to the individual contact

addresses **(Rabe-see Col. 9, lines 27-45).**

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to SHANTELL HEIBER whose telephone number is

(571)272-0886. The examiner can normally be reached on Monday-Friday 9:00am-

5:30pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Edouard Patrick can be reached on 571-272-7603. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Shantell Heiber/
Examiner, Art Unit 2617
January 29, 2011
/Patrick N. Edouard/
Supervisory Patent Examiner, Art Unit 2617